

AMENDMENTS TO THE CLAIMS

Please amend the claims as they currently stand so that they are in accord with the following listing of the claims:

1. (currently amended) An arrangement for treatment of rhythm disturbances, especially tachycardia and fibrillation, of a heart, comprising:

a heart rhythm detector for detecting the heart rhythm and determining when an atrial fibrillation threshold limit is exceeded, wherein said atrial fibrillation threshold limit corresponds to a first predetermined heart rate value; and

a therapy device, connected to the heart rhythm detector, to begin to treat an atrial fibrillation episode when the atrial fibrillation threshold limit is exceeded;

wherein the heart rhythm detecting device determines whether an atrial redetection threshold limit, corresponding to a second predetermined heart rate value, is still exceeded immediately after the therapy device has treated the atrial fibrillation episode, the atrial redetection threshold limit being lower than the atrial fibrillation threshold limit and higher than a tachycardia threshold limit which corresponds to a third predetermined heart rate value, and

wherein the therapy device continues to treat the same atrial fibrillation episode as long as the heart rhythm detector determines that the atrial redetection threshold limit is exceeded.

2. (original) The arrangement of claim 1, wherein the therapy device delivers a series of electrical impulses to the heart.

3.-4. (cancelled)

5. (previously presented) The arrangement of claim 2, wherein

the heart rhythm detector comprises an atrial electrode that is situated in a region of an atrium of the heart to detect the electrical activity thereof, and

the therapy device is connected to the atrial electrode to deliver electrical impulses to the atrium.

6.-15. (cancelled)

16-26. (cancelled)

27. (original) The arrangement of claim 1, wherein:

the heart rhythm detector determines when a tachycardia is occurring, and
the therapy device begins to treat the tachycardia when the tachycardia is detected.

28. (original) The arrangement of claim 4, wherein:

the heart rhythm detector determines when a tachycardia is occurring, and
the therapy device begins to treat the tachycardia when the tachycardia is detected.

29. (previously presented) The arrangement of claim 27, wherein the heart rhythm detector determines that a tachycardia is occurring when the tachycardia threshold limit is exceeded, when the fibrillation threshold limit is exceeded and also when the redetection threshold limit is exceeded.

30. (previously presented) The arrangement of claim 28, wherein the heart rhythm detector determines that a tachycardia is occurring when the tachycardia threshold limit is exceeded, when the fibrillation threshold limit is exceeded and also when the redetection threshold limit is exceeded.

31. (original) The arrangement of claim 27, wherein:

the therapy device is designed so that no tachycardia treatment is performed during a fibrillation treatment.

32. (original) The arrangement of claim 28, wherein:

the therapy device is designed so that no tachycardia treatment is performed during a fibrillation treatment.

33-42. (cancelled)